

Akuvox Smart Intercom



IT82 Series Indoor Monitor User Manual

About This Manual

Thank you for choosing Akuvox's IT82 Series indoor monitor. This manual is intended for end users, who need to use and configure the indoor monitor. This manual provides an introduction of all functions and features of the product. It is suitable for 82.31.2.4xx version. Please visit Akuvox forum or consult technical support for any new information or latest firmware.

Note: Please refer to universal abbreviation form in the end of manual when meet any abbreviation letter.

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1. Product Overview

1.1. Product Description

IT82X is an Android SIP-based with smooth touch-screen Indoor monitor. It can be connected with Akuvox door phone for unlock and monitor.

Residents can communicate with visitors via audio and video call, and support remote unlock the door. It is more convenient and safe for residents to check the visitor identity through its video preview function.

IT82 is often applicable in villas , apartments, building and so on.



Figure 1.1 Product description

1.2. Connector Introduction

Ethernet(POE): Network Interface(POE) connector which can provide both power and network connection.

RJ45(PON): Share the network access from Ethernet port, and for PC and other equipment connection.

12V/GND: External power supply terminal if POE is not available.

RS485+/-: RS485 terminals.

NO/COM: Relay control terminal.

IO1- IO8/GND: Connect with different alarm detectors for 8 security zones.

Note: The general indoor monitor interface diagram is only for reference.

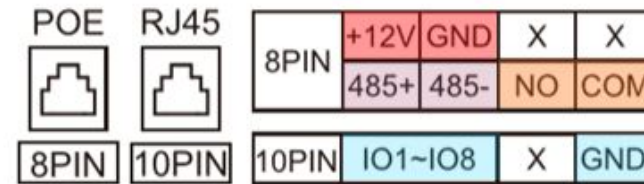


Figure 1.2-1 IT82X interface

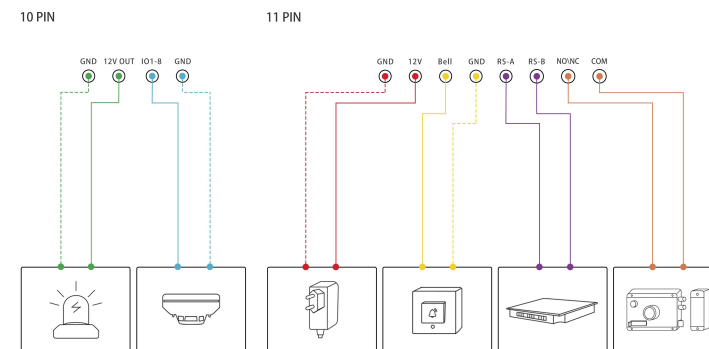


Figure 1.2-2 General interface

2. Daily Use

2.1. Starting

When booting IT82X first time, users need to choose a suitable network connecting wireless or wire network. Then choosing the proper device mode according to specific application scenarios. IT82 supports 3 modes, including **Cloud**, **Discovery** and **SDMC**. But it will just pop up Cloud Mode and Discovery Mode for users choosing. Tap **Skip** if users are adopting SDMC mode. Discovery mode is default.

Discovery mode: It is a plug and play configuration mode. Akuvox devices will configure themselves automatically when users power on the devices and connect them to network. It is a super time-saving mode and it will greatly bring users convenience by reducing manual operations. This mode do not need to be done any configurations previously by the administrator.

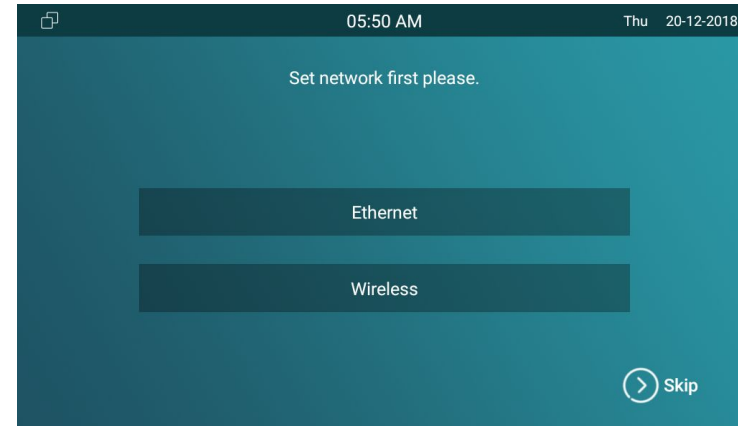


Figure 2.2.1-1 Network selection

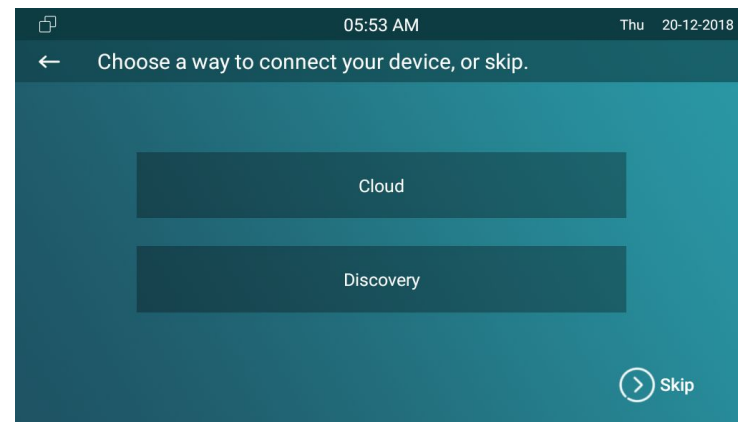


Figure 2.2.1-2 Device mode selection

Cloud mode: Akuvox Cloud is an all in one management system. All configurations in the device will be issued automatically from the Cloud. if you decide to use Akuvox cloud, please contact the administrator, he will help to do some settings in the Cloud before using.

SDMC mode: SDMC is a center management software which is suitable for managing a community in LAN. The device will get settings from SDMC automatically.

2.2. Making a call

There are 4 ways to make a call from the indoor monitor to other units, which can be another indoor monitor or an intercom app.

2.2.1. Calling from Call List

In the home page, choose a number from **Call List** to make a call.

- Scroll up or down the **Call List** ① to choose the contact that users want to call.

Note: In Cloud or SDMC mode, the Call List of IT82X will be issued from the system.

2.2.2. Calling from All Call

It could call multiple indoor monitors if they are set under the same multicast address. During the session, IT82X is listened by other indoor monitors.

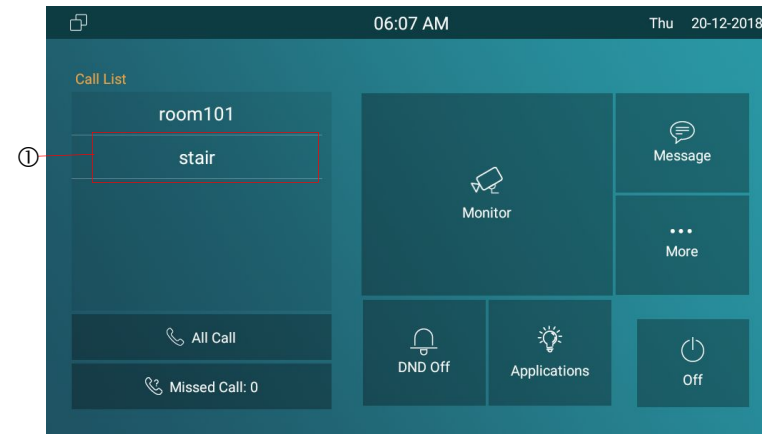


Figure 2.2.1 Call from call list

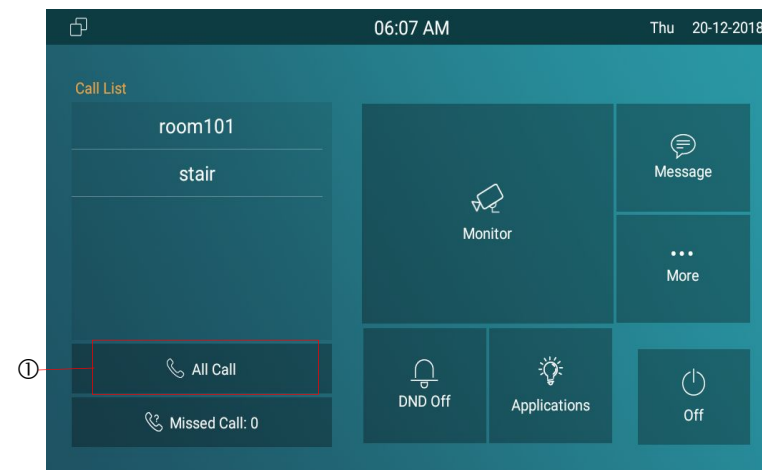


Figure 2.2.2 Call from all call

Tap **All Call** icon ① to call other indoor monitors which are set in the same multicast group.

2.2.2. Calling from Missed Call

The Missed Call will indicate how many calls that users have missed (1 missed call for an example). Missed call could be treated as a brief call log.

- Tap **Missed Call** icon ① to view the calls that were not answered before.
- Choose the contact on the call list ② which users want to call out.
- Click account above the keypad ③ to switch accounts to make a call.
- Click **Audio** ④ or **Video** ⑤ mode to call out.

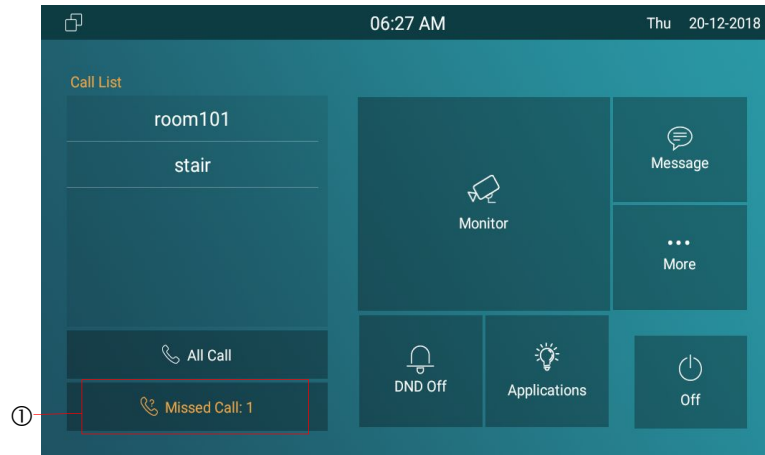


Figure 2.2.2-1 Call from miss call

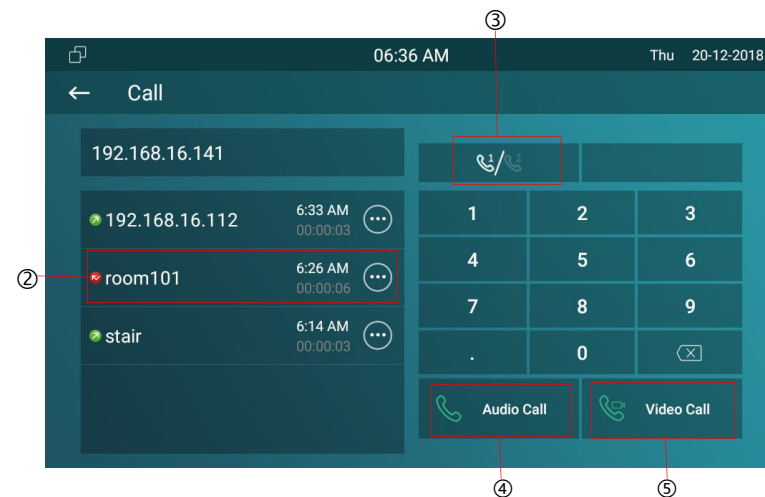


Figure 2.2.2-2 Call from miss call

2.2.3. Call from Device

It will display the devices connected with IT82 Monitor on the Contact interface. On the device, go to **More - Contact - Device**.

- Select a device ① which users want to call.
- Click **Audio** ② or **Video** ③ mode to call out.

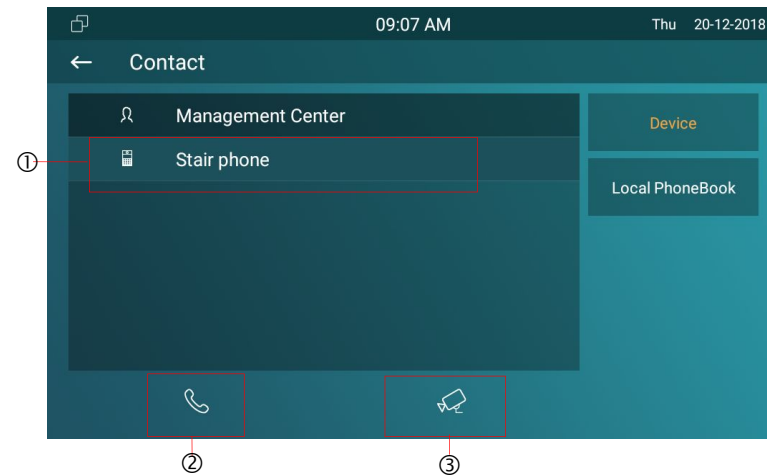


Figure 2.2.4 Call from device

2.2.4. Calling from LocalPhoneBook

Enter the contact interface to make a call.

- IT82X supports fuzzy matching query ①. To search the list by number or alphabet.
- Scroll up or down the contact ② that users want to call.
- Click **Audio** ③ or **Video** ④ mode to call out.

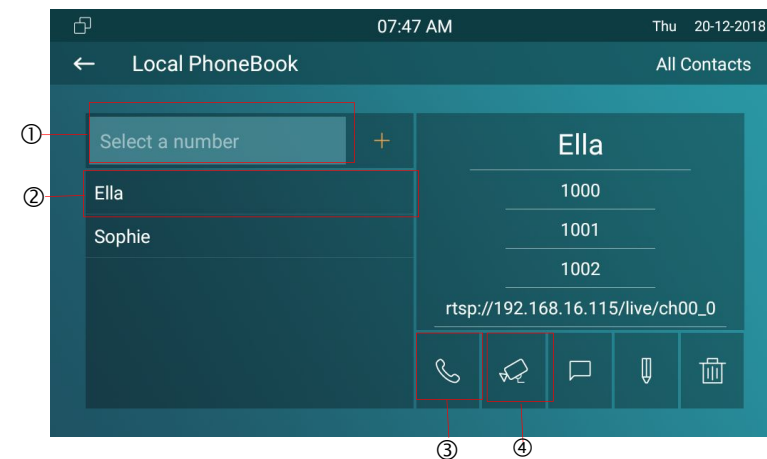


Figure 2.2.3 Call from local phonebook

2.2.5. Calling from Keypad

On the device, go to **More - Call** to get access to keypad.

- Click account icon ① above the keypad to switch accounts to make a call.
- Input the SIP account/ IP address to the keypad ② to call the corresponding devices or soft phone.
- Click **Audio** ③ or **Video** ④ mode to call out.

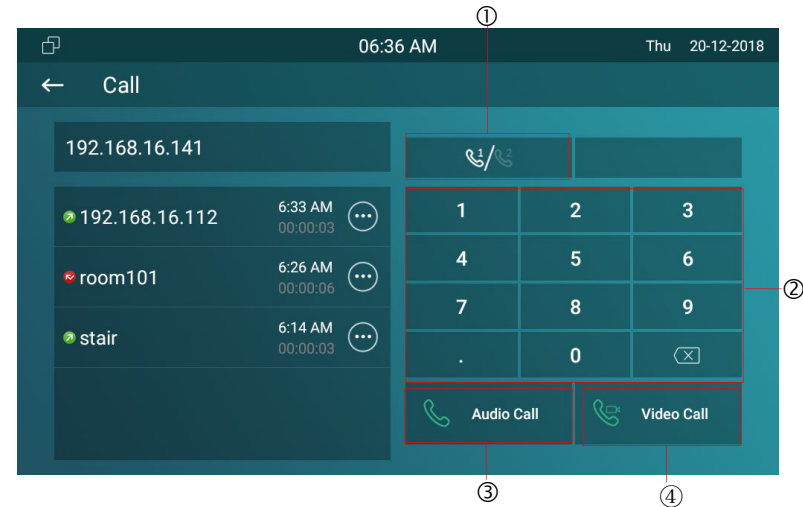



Figure 2.2.5 Call from keypad

2.2.6. Calling from Sense Key

Press the right side of the phone screen to make a call out.

Typically, the center call  is used. This account is from website configuration. Users can configure it as an emergency number or a guard station number.

Please contact the indoor monitor administrator for help configuration.

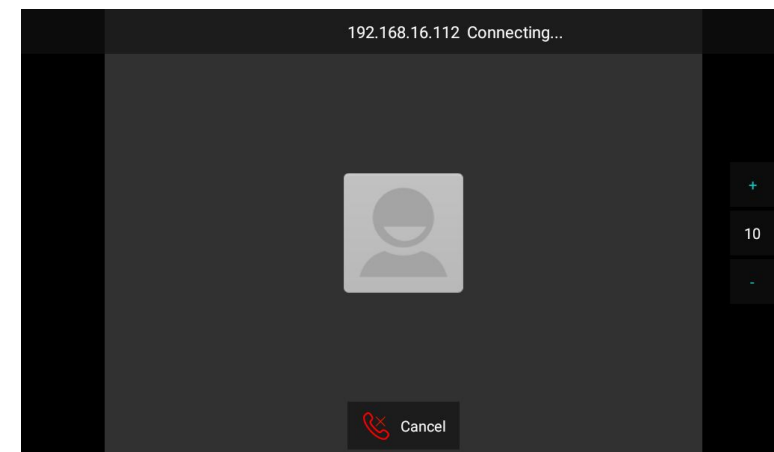


Figure 2.2.6 Call from center

2.3. Receiving a Call

2.3.1. Receive an Incoming Call

IT82X monitor supports to preview the visitor/caller when it receives an incoming call from door phone.

- Tap **Answer** to pick up the incoming call.
- Tap **Cancel** to reject the incoming call. Press “+” or “-” of the volume on the right side to adjust the ring tone volume.

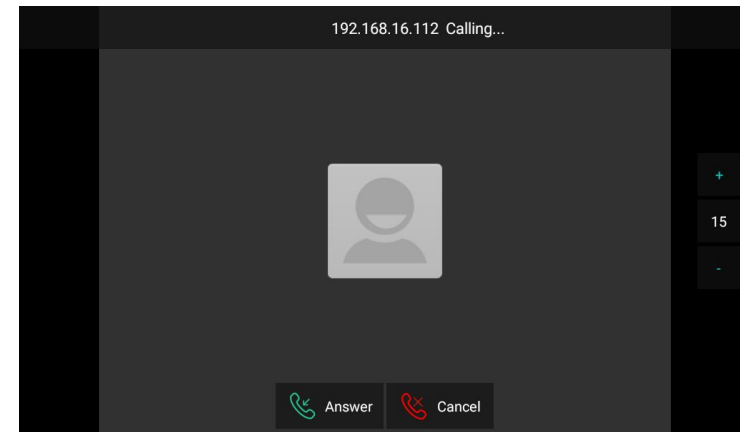


Figure 2.3.1 Incoming call

2.3.2. During the session

- Tap **Unlock** to open the corresponding door. (if the call is from outdoor unit)
- Tap **Mute** to eliminate the voice on users' side.
- Tap **Switch** to switch from video call to audio call or vice versa.
- Tap **Cancel** to hang up the current call.

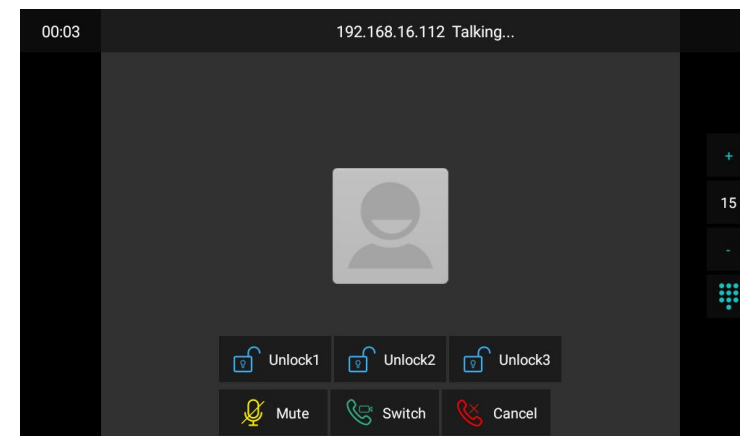


Figure 2.3.2 Incoming call

2.4. Monitor

Monitor feature enables users to view the real-time video from IP cameras or door phones anytime. Click **Monitor** in the home page.

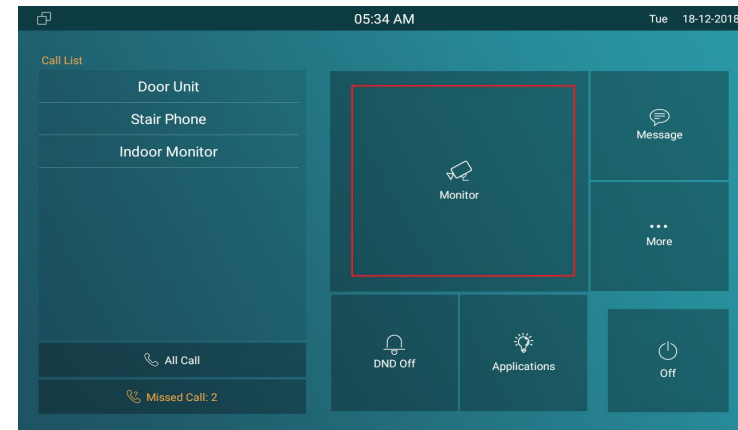


Figure 2.4-1 Monitor

2.4.1. Checking the Monitor

Choose the outdoor devices from the list .The real-time video from the door phone or IP camera will show in the screen .

- Press **Unlock** to open the door which is connected with door phone.
- Press **Capture** to take a photo from the outdoor devices.
- Press **Cancel** to exit the monitor.
- Press **List button** in the bottom right corner to switch to different outdoor videos.
- Press the **Monitor list** in the right side to choose the outdoor videos.

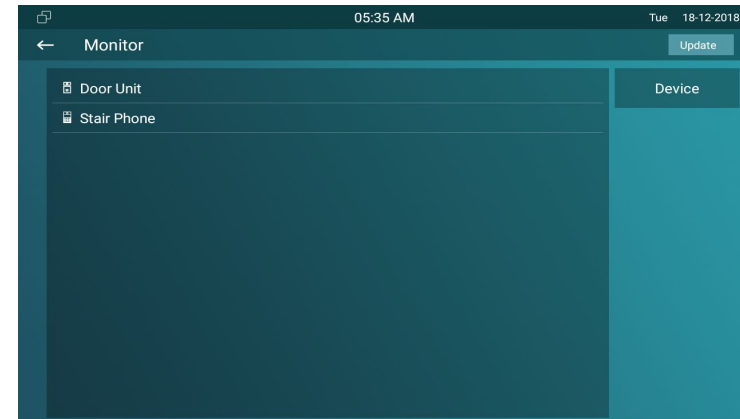


Figure 2.4.1-1 Live view list

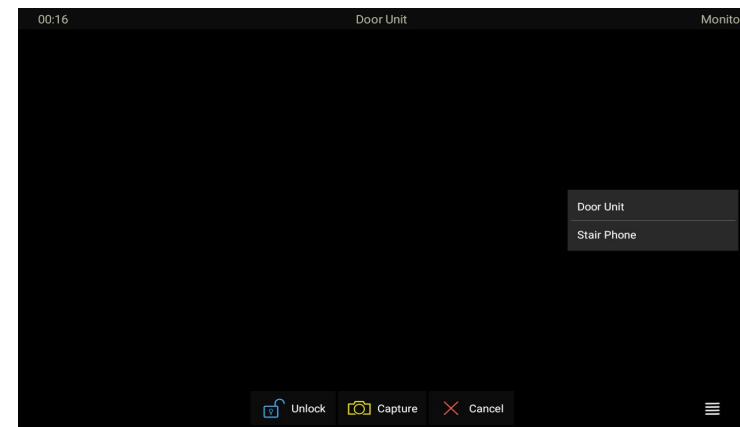


Figure 2.4.1-2 Live view video

2.5. Message

It will indicate how many messages are unread on **Message** ①.
(An unread message for an example). Or directly enter the message interface to do edition.

2.5.1. Text Message

- Tap **Message** ① on the main interface to view the unread message. (An unread message for an example)
- Tap the unread message ② to view the message in details.

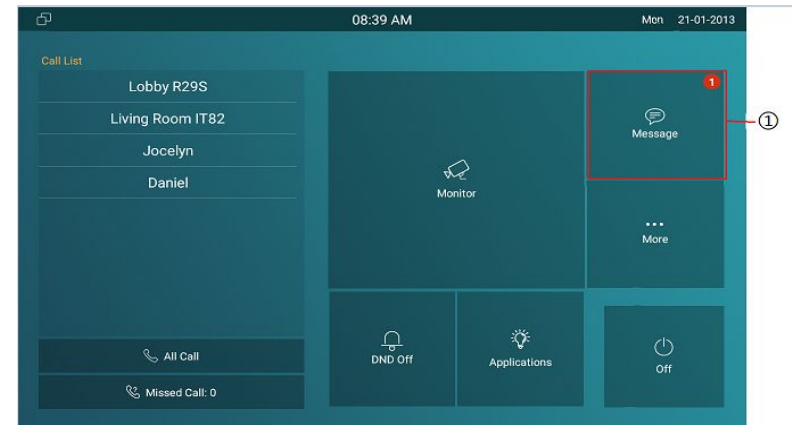


Figure 2.5 -1 Message

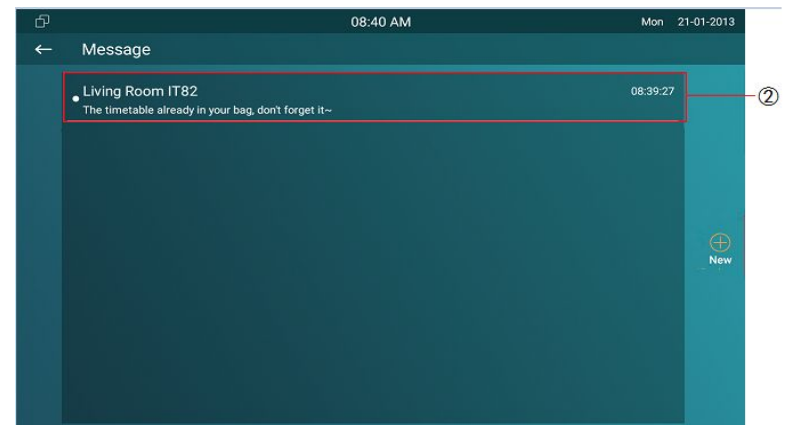


Figure 2.5.1-1 Text message

2.5.2. Creating a Message

- Press **New** key ① to create a new message.
- Enter the destination number manually ② or choose the contact from the **contact list** ③ or select the device quickly from the below list ④ .
- Choose the **frequently used message** ⑤ , such as “Hello,” “Help.” Or input the message content you want to send ⑥.
- Press **Send** key ⑦ to send.

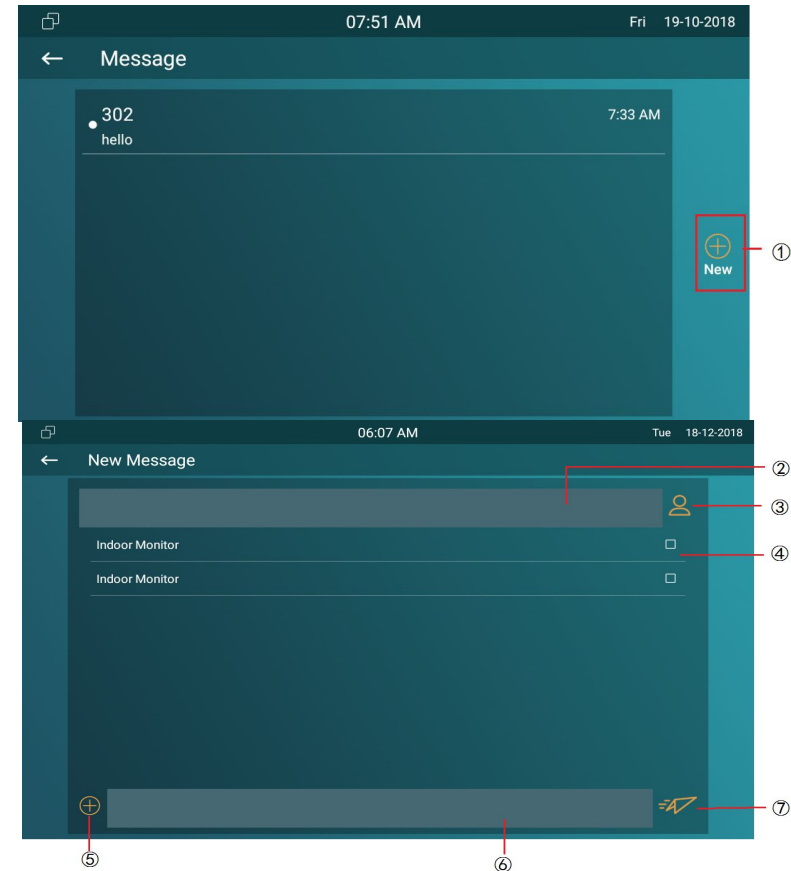


Figure 2.5.2-2 Create message

2.5.3. Deleting a Message

- Long press the message ① to select it.
- Click **Select All** ② to select all message in the message lists.
- Click **Delete** ③ to delete the messages have been selected.
- Click **Cancel** ④ to cancel the operation.
- Click **Back** icon ⑤ to exit the message interface.

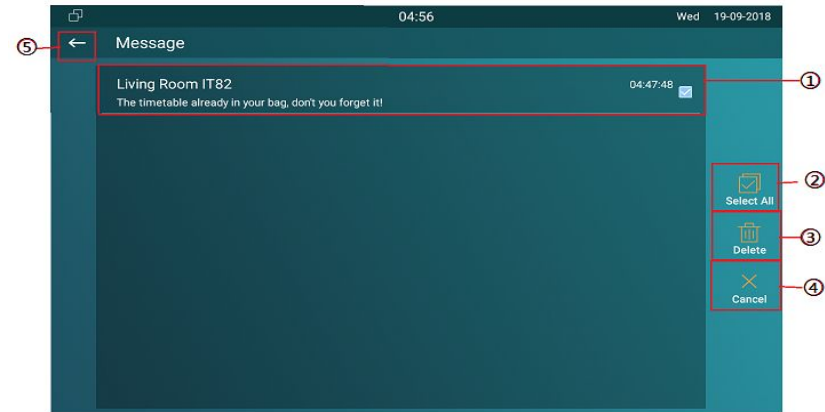


Figure 2.5.3 Delete message

2.6. Arming

Tap **Arming** to enter the arming interface. Arming feature is not displayed by default. Users can ask administrator to able it.

IT82X monitor supports 4 modes, including “Home mode,” “Night mode,” “Away mode” and “Disarmed mode.”

2.6.1. Arming Mode

Go to **Arming - Arming mode**. Users can see all of the 8 zones and corresponding sensor types. Slide down to check more information in this interface.

- Adjust **Defence delay time**. It means when users change the arming mode from other modes, there will be 90 seconds delay time.
- To setup the **Alarm delay**. It means when the sensor triggered, there will be 90 seconds delay time to announce the notification.

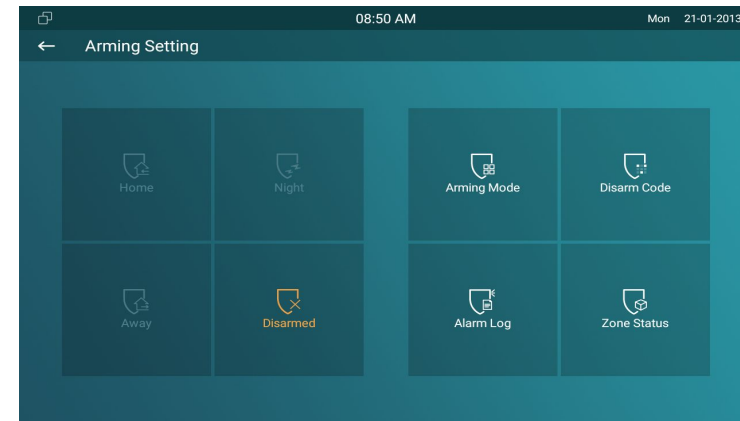


Figure 2.6 Arming

Home		Night	Away		
Zone	Location	Zone Type	Defence delay	Alarm Delay	Status
Zone1	Guest room	Doorbell	90s delay	90s delay	24H
Zone2	Bedroom	Infrared	90s delay	90s delay	Disable
Zone3	Bedroom	Infrared	90s delay	90s delay	Disable
Zone4	Bedroom	Infrared	90s delay	90s delay	Disable
Zone5	Bedroom	Infrared	90s delay	90s delay	Disable
Zone6	Bedroom	Infrared	90s delay	90s delay	Disable
Zone7	Bedroom	Infrared	90s delay	90s delay	Disable
Zone8	Bedroom	Infrared	90s delay	90s delay	Disable

Figure 2.6.1 Arming mode

- The **Status** in the corresponding zone means whether the zone is available or not.
- Press **Save** in the top right corner to save the modification.

2.6.2. Disarm Code

Go to **Arming - Disarm Code** to enter the disarm code settings interface. Users can modify the disarm code here.

- Enter the **original disarm code** ① first, and it is 0000 as default.
- Enter the **new disarm code** ②.
- Enter the new disarm code again ③ for confirming.
- Press **Save** to save the modification.

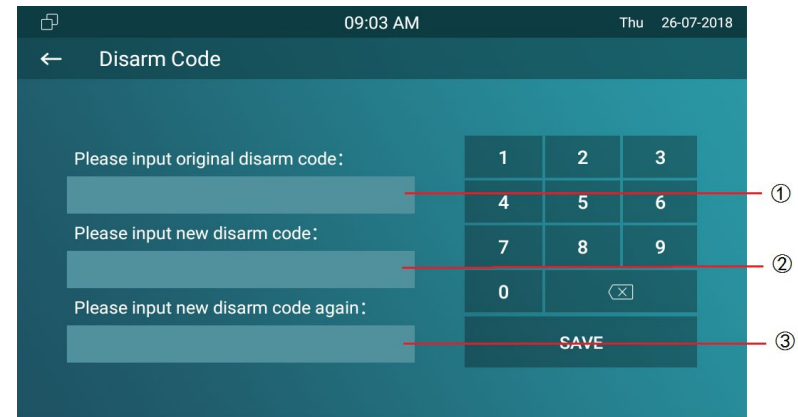


Figure 2.6.2 Disarm code

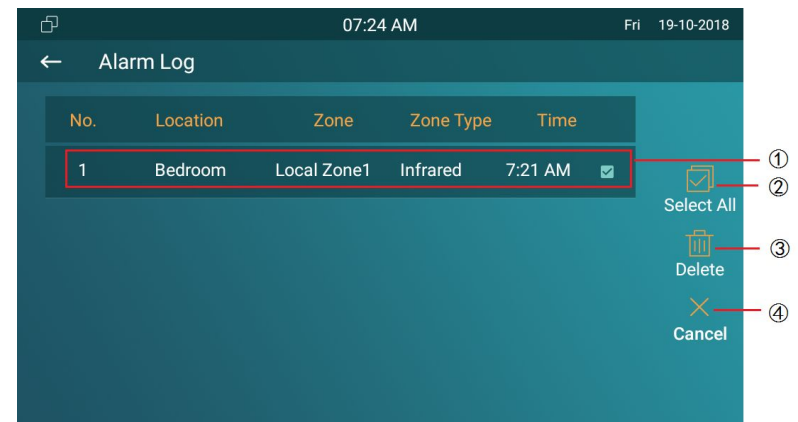


Figure 2.6.3 Alarm log


2.6.3. Alarm Log

Go to **Arming - Alarm Log** to enter the alarm log interface. Users can check the alarm log, including “location,” “zone,” “zone type” and “alarm time.”

- Hold an **alarm log** ①, and it will show up delete prompt.
- Press **Select All** ② and click **Delete** ③ to delete all alarm log.
- Press **Cancel** to cancel to deletion.

2.6.4. Status

Go to **Arming - Zone Status** to enter the zone status interface. Users can check the status of zones, including “location,” “zone type,” “trigger mode” and “status.”



Zone	Location	Zone Type	Trigger	Status
Zone1	Guest room	Doorbell	NO	24H
Zone2	Bedroom	Infrared	NC	Disable
Zone3	Bedroom	Infrared	NC	Disable
Zone4	Bedroom	Infrared	NC	Disable
Zone5	Bedroom	Infrared	NC	Disable
Zone6	Bedroom	Infrared	NC	Disable
Zone7	Bedroom	Infrared	NC	Disable
Zone8	Bedroom	Infrared	NC	Disable

Figure 2.6.4 Alarm status

Abbreviations

ACS: Auto Configuration Server

Auto: Automatically

AEC: Configurable Acoustic and Line Echo Cancelers

ACD: Automatic Call Distribution

Autop: Automatical Provisioning

AES: Advanced Encryption Standard

BLF: Busy Lamp Field

COM: Common

CPE: Customer Premise Equipment

CWMP: CPE WAN Management Protocol

DTMF: Dual Tone Multi-Frequency

DHCP: Dynamic Host Configuration Protocol

DNS: Domain Name System

DND: Do Not Disturb

DNS-SRV: Service record in the Domain Name System

FTP: File Transfer Protocol

GND: Ground

HTTP: Hypertext Transfer Protocol

HTTPS: Hypertext Transfer Protocol Secure

IP: Internet Protocol

ID: Identification

IR: Infrared

LCD: Liquid Crystal Display

LED: Light Emitting Diode

MAX: Maximum

POE: Power Over Ethernet

PCMA: Pulse Code Modulation A-Law

PCMU: Pulse Code Modulation μ -Law

PCAP: Packet Capture
PNP: Plug and Play
RFID: Radio Frequency Identification
RTP: Real-time Transport Protocol
RTSP: Real Time Streaming Protocol
MPEG: Moving Picture Experts Group
MWI: Message Waiting Indicator
NO: Normal Opened
NC: Normal Connected
NTP: Network Time Protocol
NAT: Network Address Translation
NVR: Network Video Recorder
ONVIF: Open Network Video Interface Forum

SIP: Session Initiation Protocol
SNMP: Simple Network Management Protocol
STUN: Session Traversal Utilities for NAT
SMTP: Simple Mail Transfer Protocol
SDMC: SIP Devices Management Center
TR069: Technical Report069
TCP: Transmission Control Protocol
TLS: Transport Layer Security
TFTP: Trivial File Transfer Protocol
UDP: User Datagram Protocol
URL: Uniform Resource Locator
VLAN: Virtual Local Area Network
WG: Wiegand

Contact us

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We highly appreciate your feedback about our products.

